




---

 PRODUCT-DETAILS

## ACS180-04S-04A0-4

LV AC machinery drive module, IEC: Pn 1.5 kW,  
4 A (ACS180-04S-04A0-4)




---

**General Information**

Global Commercial Alias	ACS180-04S-04A0-4
Product ID	3AXD50000662593
ABB Type Designation	ACS180-04S-04A0-4
Catalog Description	LV AC machinery drive module, IEC: Pn 1.5 kW, 4 A (ACS180-04S-04A0-4)

## Long Description

The ACS180 is a compact, robust, and adaptable variable speed drive (VSD) for applications such as pumps, fans, compressors, conveyors, winders and mixers. This easy-to-use compact VSD offers excellent performance and quality at superior value with all essential machinery application features embedded. And as a member of ABB's all-compatible drives portfolio, it shares the same architecture and user interfaces for ease of use.

---

**Ordering**

Customs Tariff Number	85044099
HS Code	850440 -- ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND ACCESSORIES OF SUCH ARTICLES; Electrical transformers, static converters (for example, rectifiers) and inductors; Static converters
Invoice Description	ACS180-04S-04A0-4

Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

## Dimensions

Product Net Weight	1.24 kg
Product Net Depth / Length	143 mm
Product Net Height	220 mm
Product Net Width	70 mm
Package Level 1 Depth / Length	225 mm
Package Level 1 Height	115 mm
Package Level 1 Width	220 mm
Package Level 1 Units	1 carton

## Technical

Number of Phases	3-phase
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Frequency (f)	47.5 ... 63 Hz
Frame Size	R1
Input Voltage ( $U_{in}$ )	380 ... 480 V
Mounting Type	Module_NO UNIT\$
Output Current, Normal Use ( $I_n$ )	4 A
Output Current, Light-Overload Use ( $I_{LD}$ )	4 A
Output Current, Heavy-Duty Use ( $I_{HD}$ )	3.3 A
Output Power, Normal Use ( $P_n$ )	1.5 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	1.5 kW
Output Power, Heavy-Duty Use ( $P_{HD}$ )	1.1 kW
Apparent Power Output	2.8 kV·A
Efficiency Level	IE2
Standby Loss	10 W
Complete Drive Module Efficiency (IEC61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	23 W	0.8 %	86.4 %
0 / 50 %	26 W	1.0 %	91.5 %
0 / 100 %	35 W	1.3 %	93.8 %
50 / 25 %	24 W	0.9 %	92.7 %
50 / 50 %	28 W	1.0 %	95.4 %
50 / 100 %	39 W	1.4 %	96.6 %
90 / 50 %	31 W	1.1 %	97.1 %
90 / 100 %	46 W	1.6 %	97.7 %

Temperature Rating

Maximum 40 °C

### Environmental

SCIP

5d07f008-496e-4abd-8f50-616cb485c791 Finland

WEEE Category

5. Small Equipment (No External Dimension More Than 50 cm)

### External Classifications and Standards

UNSPSC

39122001

### Categories

Drives → Low Voltage AC Drives → Machinery Drives → ACS180 - Machinery Drive

